YG862C10R (100V / 10A)



[200509]

Low IR Schottky barrier diode

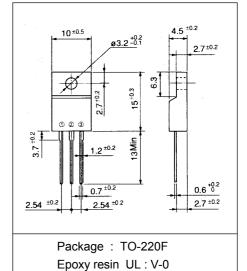
Features

- Low IR
- Low VF
- Center tap connection

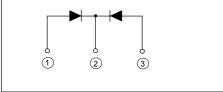
Applications

- High frequency operation
- DC-DC converters
- AC adapter

■Outline drawings, mm



Connection diagram



Maximum ratings and characteristics

Maximum ratings

Item	Symbol	Conditions	Rating	Unit
Repetitive peak surge reverse voltage	VRSM	tw=500ns, duty=1/40	100	V
Repetitive peak reverse voltage	VRRM		100	V
Isolating voltage	Viso	Terminals-to-Case, AC.1min.	1500	V
Average output current	lo	Square wave, duty=1/2 Tc=118°C	10 *	Α
Non-repetitive surge current	Iгsм	Sine wave 10ms	125	Α
non-repetitive reverse surge power dissipation	PRM	tw=10µs, Tj=25°C	330	W
Operating junction temperature	Tj		+150	°C
Storage temperature	Tstg		-40 to +150	°C

^{*} Out put current of center tap full wave connection

• Electrical characteristics (at Ta=25°C Unless otherwise specified)

Item	Symbol	Conditions	Max.	Unit
Forward voltage **	VF	I _F =5A	0.86	V
Reverse current **	lR	V _R =100V	150	μA
Thermal resistance	Rth(j-c)	Junction to case	3.5	°C/W

**Rating per element

Mechanical characteristics

Mounting torque	Recommended torque	0.3 to 0.5	N∙m
Approximate mass		2	g

Characteristics

